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=> index chemistry bioscience

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INDEX 'AGRICOLA, ALUMINIUM, ANABSTR, APOLLIT, AQUIRE, BABS, BIOCOMMERCE,
BIOTECHNO, CABA, CAOLD, CAPLUS, CBNB, CEABA-VTB, CEN, CERAB, CIN,
COMPENDEX, CONFSCI, COPPERLIT, CORROSION, ENCOMPLIT, ENCOMPLIT2, FEDRIP,
GENBANK, INSPEC, INSPHYS, INVESTEXT, IPA, ...'

ENTERED AT 17:50:39 ON 30 DEC 2002

91 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s (cyclosporin (s) analog?) and (pharmaceutical (s) carrier?) and MeLeu

0* FILE FEDRIP

23 FILES SEARCHED...

43 FILES SEARCHED...

68 FILES SEARCHED...

4 FILE IFIPAT

21 FILE USPATFULL

90 FILES SEARCHED...

2 FILES HAVE ONE OR MORE ANSWERS, 91 FILES SEARCHED IN STNINDEX

L1 QUE (CYCLOSPORIN (S) ANALOG?) AND (PHARMACEUTICAL (S) CARRIER?) AND MELEU

=> file hits

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
3.18	3.39

FULL ESTIMATED COST

FILE 'USPATFULL' ENTERED AT 17:54:16 ON 30 DEC 2002

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FILE 'IFIPAT' ENTERED AT 17:54:16 ON 30 DEC 2002

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=> s l1

L2 21 FILE USPATFULL

L3 4 FILE IFIPAT

TOTAL FOR ALL FILES

L4 25 L1

=> dup rem

ENTER L# LIST OR (END):l4

PROCESSING COMPLETED FOR L4

L5 21 DUP REM L4 (4 DUPLICATES REMOVED)

=> d l5 1-21 ibib abs

L5 ANSWER 1 OF 21 USPATFULL

ACCESSION NUMBER: 2002:259374 USPATFULL

TITLE: Cyclosporins for the treatment of respiratory diseases

INVENTOR(S): Or, Yat Sun, Cambridge, MA, UNITED STATES

Lazarova, Tsvetelina, Brookline, MA, UNITED STATES

NUMBER	KIND	DATE
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PATENT INFORMATION: US 2002142946 A1 20021003
APPLICATION INFO.: US 2001-800856 A1 20010305 (9)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: SANDHYA L. KALKUNTE, ENANTA PHARMACEUTICALS, INC., 500
ARSENAL STREET, WATERTOWN, MA, 02472
NUMBER OF CLAIMS: 11
EXEMPLARY CLAIM: 1
LINE COUNT: 945

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel semisynthetic **cyclosporin**
analogs of Formula (I): ##STR1##

X is absent, --C1-C6 alkyl-, or --C3-C6 cycloalkyl-

Y is selected from the group consisting of:

(i) C(O)--O--R1, where R1 is hydrogen, C1-C6 alkyl, optionally substituted with halogen, heterocyclic, aryl, C1-C6 alkoxy, C1-C6 alkylthio, halogen-substituted C1-C6 alkoxy, or halogen-substituted C1-C6 alkylthio;

(ii) C(O)--S--R1, where R1 is as previously defined;

(iii) C(O)--OCH.sub.2--OC(O)R2, where R2 is C1-C6 alkyl, optionally substituted with halogen, C1-C6 alkoxy; C1-C6 alkylthio, heterocyclic or aryl;

(iv) C(S)--O--R1, where R1 is as previously defined, and

(v) C(S)--S--R1, where R1 is as previously defined;

B is -.alpha.Abu-, -Val-, -Thr- or -Nva-; and

U is -(D)Ala-, -(D)Ser-, --[O--(2-hydroxyethyl) (D)Ser]-,
--[O-acyl(D)Ser]- or --[O--(2-acyloxyethyl) (D)Ser]-.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 21 USPATFULL DUPLICATE 1
ACCESSION NUMBER: 2001:125730 USPATFULL
TITLE: Non-Imunosuppressive cyclosporins and their use in the
prevention and treatment of HIV infection
INVENTOR(S): Rich, Daniel H., Madison, WI, United States
Solomon, Michael E., Arlington, MA, United States
PATENT ASSIGNEE(S): Wisconsin Alumni Research Foundation, Madison, WI,
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6270957	B1	20010807
	WO 9910373		19990304
APPLICATION INFO.:	US 1999-242723		19990222 (9)
	WO 1998-US17542		19980825
			19990222 PCT 371 date
			19990222 PCT 102(e) date

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-57751P	19970826 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Park, Hankyel T.	
LEGAL REPRESENTATIVE:	Leone, Esq., Joseph T.DeWitt Ross & Stevens S.C.	
NUMBER OF CLAIMS:	31	

EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Figure(s); 4 Drawing Page(s)
LINE COUNT: 2601

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are **cyclosporin analogs** having amino acid residue substitutions at positions 1, 3, or 7 of the **cyclosporin** peptide backbone. Also disclosed are conjugates of these **cyclosporin analogs** in which an HIV protease inhibitor moiety is conjugated to the position-7 amino acid residue of the **cyclosporin**. These compounds simultaneously bind to and inhibit cyclophilin and HIV protease. The compounds have good bioavailability and potent HIV inhibitory activity. They are useful in the treatment and prevention of HIV-mediated disorders, including AIDS.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 21 USPATFULL

ACCESSION NUMBER: 2001:202588 USPATFULL
TITLE: Cyclosporin a conjugates and uses therefor
INVENTOR(S): Rich, Daniel H., Madison, WI, United States
Solomon, Michael E., Arlington, MA, United States
PATENT ASSIGNEE(S): Wisconsin Alumni Research Foundation, Madison, WI,
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6316405	B1	20011113
APPLICATION INFO.:	US 1999-242724		19990222 (9)
	WO 1998-US17544		19980825
			19990222 PCT 371 date
			19990222 PCT 102(e) date

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-57751P	19970826 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Carlson, Karen Cochrane	
ASSISTANT EXAMINER:	Tu, Stephen	
LEGAL REPRESENTATIVE:	Leone, Esq., Joseph T.Dewitt Ross & Stevens S.C.	
NUMBER OF CLAIMS:	13	
EXEMPLARY CLAIM:	1	
LINE COUNT:	2215	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are conjugates of A.beta.-binding peptides and CsA analogs and conjugates of A.beta.-binding peptides and FK506 Binding Peptide inhibitors. These conjugates chemically induce dimerization of either cyclophilin or FK506 Binding Peptide with A.beta. peptide, a major component of amyloid plaques found in neurological disorders such as Alzheimer's disease, multiple sclerosis, and amyotrophic lateral sclerosis. The conjugates are useful in the treatment of neurological diseases involving the formation of amyloid plaques because they inhibit and/or prevent the aggregation and deposition of A.beta. peptide into plaques.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 21 USPATFULL

ACCESSION NUMBER: 2001:10715 USPATFULL
TITLE: Screening methods for the identification of anti-HIV compounds employing a cyclosporine-specific monoclonal antibody that cross-reacts with HIV-1 p24
INVENTOR(S): Erlanger, Bernard F., Whitestone, NY, United States
Chen, Bi-Xing, New York, NY, United States
PATENT ASSIGNEE(S): The Trustees of Columbia University in the City of New

York, New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6177253	B1	20010123
	WO 9625175		19960822
APPLICATION INFO.:	US 1998-894295		19980108 (8)
	WO 1996-US2129		19960216
			19980108 PCT 371 date
			19980108 PCT 102(e) date
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-390133, filed on 17 Feb 1995, now patented, Pat. No. US 5604092		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Scheiner, Laurie		
ASSISTANT EXAMINER:	Parkin, Jeffrey S.		
LEGAL REPRESENTATIVE:	White, John P.Cooper & Dunham LLP		
NUMBER OF CLAIMS:	6		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 14 Drawing Page(s)		
LINE COUNT:	1749		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention provides new uses for novel derivatives of cyclosporine A and antibodies directed thereto. Specifically, the derivatives and antibodies are useful in methods of treating AIDS, methods of purifying the Gag protein of HIV, methods of screening for anti-HIV compounds, and methods for detecting HIV in a subject. The derivatives and antibodies can also be incorporated into a kit useful for screening for anti-HIV compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 21 USPATFULL

ACCESSION NUMBER: 1999:120921 USPATFULL
TITLE: Pharmaceutical compositions comprising cyclosporins
INVENTOR(S): Hauer, Birgit, Lahr, Germany, Federal Republic of
Meinzer, Armin, Freiburg, Germany, Federal Republic of
Posanski, Ulrich, Freiburg, Germany, Federal Republic
of
Richter, Friedrich, Schonbuhl-Urtenen, Switzerland
PATENT ASSIGNEE(S): Novartis G, Basel, Switzerland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5962017		19991005
APPLICATION INFO.:	US 1998-24521		19980217 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-430770, filed on 27 Apr 1995, now patented, Pat. No. US 5741512 which is a continuation of Ser. No. US 1994-259951, filed on 15 Jun 1994, now abandoned which is a division of Ser. No. US 1992-990734, filed on 15 Dec 1992, now patented, Pat. No. US 5342625 which is a continuation of Ser. No. US 1991-680211, filed on 4 Apr 1991, now abandoned which is a continuation of Ser. No. US 1989-406656, filed on 19 Sep 1989, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1988-21754	19880916
	GB 1989-2900	19890209
	GB 1989-2903	19890209
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Kishore, Gollamudi S.	
LEGAL REPRESENTATIVE:	Mathias, Marla J.	

NUMBER OF CLAIMS: 198
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Figure(s); 4 Drawing Page(s)
LINE COUNT: 2736

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Pharmaceutical compositions comprising a cyclosporin, e.g. Ciclosporin or [Nva].sup.2 -Ciclosporin, in "microemulsion pre-concentrate" and microemulsion form. The compositions typically comprise (1.1) a C.sub.1-5 alkyl or tetrahydrofurfuryl di- or partial-ether of a low molecular weight mono- or poly-oxy-alkane diol, e.g. Transcutol or Glycofurol, as hydrophilic component. Compositions are also provided comprising a cyclosporin and (1.1) and, suitably, also a saccharide monoester, e.g. raffinose or saccharose monolaurate. Dosage forms include topical formulations and, in particular, oral dosage forms.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 21 USPATFULL

ACCESSION NUMBER: 1998:68992 USPATFULL
TITLE: Cyclosporins
INVENTOR(S): Ko, Soo Young, London, Great Britain
Kobel, Hans, Basel, Switzerland
Besemer-Rosenwirth, Brigitte, Modling, Austria
Seebach, Dieter, Zurich, Switzerland
Traber, Rene P., Basel, Switzerland
Wenger, Roland, Riehen, Switzerland
Bollinger, Pietro, Bottmingen, Switzerland
PATENT ASSIGNEE(S): Novartis AG, Basel, Switzerland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5767069		19980616
APPLICATION INFO.:	US 1995-427312		19950424 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1994-232795, filed on 25 Apr 1994, now abandoned which is a continuation of Ser. No. US 1993-57067, filed on 3 May 1993, now abandoned which is a continuation of Ser. No. US 1991-785959, filed on 31 Oct 1991, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1990-23859	19901102
	GB 1990-23970	19901105
	GB 1990-23971	19901105
	GB 1990-23972	19901105
	GB 1991-16836	19910805
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Achutamurthy, Ponnathapura	
ASSISTANT EXAMINER:	Wessendorf, T. D.	
LEGAL REPRESENTATIVE:	Mathias, Marla J., McGovern, Thomas O.	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 3 Drawing Page(s)	
LINE COUNT:	779	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Nonimmunosuppressant cyclosporin derivatives having cyclophilin-binding activity, for example, the compound, [MeIle].sup.4 -ciclosporin, are useful in inhibiting HIV-1 replication in treating AIDS and AIDS related disorders.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 7 OF 21 USPATFULL

ACCESSION NUMBER: 97:56636 USPATFULL

TITLE: O-acylated cyclosporins
INVENTOR(S): Boelsterli, Johann Jakob, Buus, Switzerland
Eberle, Marcel Karl, Riehen, Switzerland
Naef, Reto, Rheinfelden, Switzerland
Payne, Trevor Glyn, Berne, Switzerland
PATENT ASSIGNEE(S): Sandoz Ltd., Basel, Switzerland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5643870		19970701
APPLICATION INFO.:	US 1993-23525		19930226 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1992-4466	19920302
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Tsang, Cecilia	
ASSISTANT EXAMINER:	Marshall, S. G.	
LEGAL REPRESENTATIVE:	Honor, Robert S., Kassenoff, Melvyn M., McGovern, Thomas O.	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
LINE COUNT:	770	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A cyclosporin of the formula ##STR1## wherein A is a residue of the formula ##STR2## wherein R is hydrogen, C.sub.1-3 alkyl, C.sub.1-3 alkoxy or C.sub.1-3 alkylthio; halo-substituted-C.sub.1-3 alkyl, -C.sub.1-3 alkoxy or -C.sub.1-3 alkylthio; hydroxy-substituted-C.sub.1-3 alkyl, -C.sub.2-3 alkoxy or -C.sub.2-3 alkylthio; or amino or mono- or di-(C.sub.1-2 alkyl)-amino,

X is oxygen or sulphur,

--x--y-- is --CH.dbd.CH-- (trans) or --CH.sub.2 --CH.sub.2 --,

B is -.alpha.Abu-, -Val-, -Thr- or -Nva- and

Q is -(D)Ala-; -(D)Ser-; -[O-(2-hydroxyethyl)(D)Ser]-; or -[O-acyl(D)Ser]- or -[O-(2-acyloxy ethyl)(D)Ser]-

in which the acyl residue is physiologically hydrolysable and acceptable, are useful in the topical treatment of asthma.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 8 OF 21 USPATFULL

ACCESSION NUMBER: 97:14569 USPATFULL
TITLE: Method for the detection of HIV-1 using a cyclosporine-specific monoclonal antibody that reacts with the P24 Gag protein
INVENTOR(S): Erlanger, Bernard F., Whitestone, NY, United States
Chen, Bi-Xing, New York, NY, United States
PATENT ASSIGNEE(S): The Trustees of Columbia University in the City of New York, New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5604092		19970218
APPLICATION INFO.:	US 1995-390133		19950217 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1993-6169, filed on 15 Jan 1993, now patented, Pat. No. US 5405785 which is a continuation of Ser. No. US 1992-869219, filed on 13 Apr 1992, now abandoned which is a continuation of Ser. No. US 1988-280009, filed on 5 Dec 1988, now abandoned		

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Budens, Robert D.
ASSISTANT EXAMINER: Parkin, Jeffrey S.
LEGAL REPRESENTATIVE: White, John P.
NUMBER OF CLAIMS: 2
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 19 Drawing Figure(s); 14 Drawing Page(s)
LINE COUNT: 1725

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Monoclonal antibodies to cyclosporine A (CsA), a potent immunosuppressant, were generated in Balb/c mice using a novel antigen prepared by linking CsA to a protein carrier via a photoactive cross-linking reagent, 4-benzoylbenzoic acid (BBa). Twenty-two monoclonal anti-CsA antibodies were generated, using CsA-BBa-bovine serum albumin (CsA-BBa-BSA) as the immunogen. Epitope mapping studies were performed using a series of singly substituted CsA derivatives and an antibody was identified that recognizes N-methyl leucine residues 9 and 10 of CsA. This antibody also cross-reacts with the HIV-1 Gag protein. A method for the detection of HIV-1 in patient samples employing this monoclonal antibody is disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 9 OF 21 USPATFULL

ACCESSION NUMBER: 96:50887 USPATFULL
TITLE: Cyclosporins and their use as pharmaceuticals
INVENTOR(S): Bollinger, Pietro, Bottmingen, Switzerland
Bolsterli, Johann J., Buus, Switzerland
Payne, Trevor G., Bern; all of, Switzerland
PATENT ASSIGNEE(S): Sandoz Ltd., Basel, Switzerland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5525590		19960611
APPLICATION INFO.:	US 1994-337346		19941110 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-67274, filed on 24 May 1993, now abandoned which is a continuation of Ser. No. US 1992-874676, filed on 27 Apr 1992, now abandoned which is a continuation of Ser. No. US 1991-704758, filed on 23 May 1991, now abandoned which is a continuation of Ser. No. US 1988-208422, filed on 17 Jun 1988, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1987-14090	19870617
	GB 1987-14093	19870617
	GB 1987-14098	19870617
	GB 1987-14100	19870617
	GB 1987-14115	19870617
	GB 1987-14118	19870617
	GB 1987-14119	19870617
	GB 1987-14125	19870617

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Russel, Jeffrey E.
LEGAL REPRESENTATIVE: Honor, Robert S., Kassenoff, Melvyn M., McGovern, Thomas O.
NUMBER OF CLAIMS: 5
EXEMPLARY CLAIM: 1
LINE COUNT: 2011

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cyclosporins wherein the residue at the 1-position (typically -MeBmt- or -dihydro-MeBmt-) is 3'O-acylated or 3'-oxo or -C.sub.1-4 alkoxyimino

substituted, or wherein the residue at the 2-position is .beta.-O-acyl or .beta.-oxo substituted, or wherein the residue at the 2-position is -Ile-, or wherein the residue at the 11-position is -MeAls-, -MeIle- or -MealloIle- as well as various naturally occurring cyclosporins/dihydro-derivatives thereof, are useful in reversing resistance to chemotherapy, in particular resistance to cytostatic or anti-neoplastic therapy. Various of these cyclosporins and intermediates for their production are novel. Intermediates wherein the residue (e.g. -MeBmt-, -dihydro-MeBmt- etc.) at the 1-position is 8'-alkoxy or 7'-desmethyl-7'-hydrocarbyl substituted are novel and useful as immunosuppressants, anti-inflammatory and anti-parasitic agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 10 OF 21 USPATFULL

ACCESSION NUMBER: 94:84081 USPATFULL
 TITLE: Derivatives of cyclosporina A, antibodies directed thereto and uses thereof
 INVENTOR(S): Erlanger, Bernard F., Whitestone, NY, United States
 Cleveland, William L., New York, NY, United States
 Cacalano, Nicholas A., Irvington, NY, United States
 PATENT ASSIGNEE(S): The Trustees of Columbia University in the City of New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
	-----	-----	-----
PATENT INFORMATION:	US 5350574		19940927
APPLICATION INFO.:	US 1991-699468		19910513 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1988-280009, filed on 5 Dec 1988, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Kim, Kay K.		
LEGAL REPRESENTATIVE:	White, John P.		
NUMBER OF CLAIMS:	27		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 11 Drawing Page(s)		
LINE COUNT:	1350		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides a molecule comprising cyclosporine A or a congener of cyclosporine A which is photochemically attached to a ligand containing a reactive group. This invention also provides a composition of matter which comprises a conjugate of a compound and the aforementioned molecule wherein the compound is bound to the molecule through the reactive group. This invention further provides an antibody directed to the aforementioned composition of matter specific for cyclosporine A or congener of cyclosporine A. This invention also provides methods for detecting the presence of cyclosporine A or congener thereof, methods for detecting the concentration of cyclosporine A or congener thereof, as well as a method of monitoring levels of cyclosporine A or congener of cyclosporine A in a subject. Finally, this invention provides a method of reducing the amount of endogenous immunoregulatory substances, a method of testing the potential of a pharmacological agent as an immunoactive agent, as well as a method of testing a pharmacological agent for immunosuppressive activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 11 OF 21 USPATFULL

DUPLICATE 2

ACCESSION NUMBER: 93:67600 USPATFULL
 TITLE: 6-position **cyclosporin** a **analogs** as modifiers of cytotoxic drug resistance
 INVENTOR(S): Durette, Philippe L., New Providence, NJ, United States
 PATENT ASSIGNEE(S): Merck & Co., Inc., Rahway, NJ, United States (U.S.)

corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5236899		19930817
APPLICATION INFO.:	US 1991-752169		19910823 (7)
DISCLAIMER DATE:	20070403		
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1989-425262, filed on 23 Oct 1989, now abandoned which is a continuation-in-part of Ser. No. US 1987-121827, filed on 16 Nov 1987, now patented, Pat. No. US 4914188, issued on 3 Apr 1990		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Chan, Y. Christina		
LEGAL REPRESENTATIVE:	Panzer, Curtis C., Speer, Raymond M.		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	5		
LINE COUNT:	840		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB **Cyclosporin analogs** containing a MeAla or MeAbu residue at the 6-position of the cyclic undecapeptide have been discovered to sensitize multidrug resistant cells to certain chemotherapeutic agents. These **cyclosporin analogs** have also been shown to increase the sensitivity of cells already susceptible to the chemotherapeutic agents. In addition, these **cyclosporin A analogs** lack the nephrotoxic and immunosuppressive activity of **cyclosporin A**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 12 OF 21 USPATFULL
ACCESSION NUMBER: 93:42149 USPATFULL
TITLE: Synthesis of novel immunosuppressive **cyclosporin analogs** with modified amino acids at position-8
INVENTOR(S): Patchett, Arthur A., Westfield, NJ, United States
Taub, David, Metuchen, NJ, United States
Goegelman, Robert T., Linden, NJ, United States
PATENT ASSIGNEE(S): Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5214130		19930525
APPLICATION INFO.:	US 1991-744039		19910812 (7)
RELATED APPLN. INFO.:	Division of Ser. No. US 1990-485920, filed on 27 Feb 1990, now patented, Pat. No. US 5122511		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lee, Lester L.		
ASSISTANT EXAMINER:	Davenport, A. M.		
LEGAL REPRESENTATIVE:	Panzer, Curtis C., Speer, Raymond M.		
NUMBER OF CLAIMS:	6		
EXEMPLARY CLAIM:	1		
LINE COUNT:	637		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB New immunosuppressive **cyclosporin analogs** are disclosed consisting of [dehydro-Ala].sup.8 **cyclosporins** and derived therefrom **cyclosporins** having a sulfur containing amino acid at position-8.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 13 OF 21 USPATFULL
ACCESSION NUMBER: 92:49045 USPATFULL

TITLE: Immunosuppressive **cyclosporin analogs**
with modified amino acids at position-8
INVENTOR(S): Patchett, Arthur A., Westfield, NJ, United States
Taub, David, Metuchen, NJ, United States
Goegelman, Robert T., Linden, NJ, United States
PATENT ASSIGNEE(S): Merck & Co., Inc., Rahway, NJ, United States (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5122511		19920616
APPLICATION INFO.:	US 1990-485920		19900227 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lee, Lester L.		
ASSISTANT EXAMINER:	Davenport, A. M.		
LEGAL REPRESENTATIVE:	Panzer, Curtis C., Pfeiffer, Hesna J.		
NUMBER OF CLAIMS:	11		
EXEMPLARY CLAIM:	1		
LINE COUNT:	670		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB New immunosuppressive **cyclosporin analogs** are disclosed consisting of [dehydro-Ala].sup.8 **cyclosporins** and derived therefrom **cyclosporins** having a sulfur containing amino acid at position-8.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 14 OF 21 USPATFULL
ACCESSION NUMBER: 92:42742 USPATFULL
TITLE: Cyclosporin peptolides having an .alpha.-hydroxycarboxylic acid at position 8
INVENTOR(S): Dreyfuss, Michael M., Basel, Switzerland
Schreier, Max H., Basel, Switzerland
Tscherter, Hans, Allschwil, Switzerland
PATENT ASSIGNEE(S): Sandoz Ltd., Basel, Switzerland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5116816		19920526
APPLICATION INFO.:	US 1988-209680		19880620 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	CH 1987-2317	19870619
	CH 1987-2517	19870702
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Chan, Christina	
LEGAL REPRESENTATIVE:	Sharkin, Gerald D., Honor, Robert S., McGovern, Thomas O.	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1,9	
LINE COUNT:	511	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cyclic peptolides having the structure of a cyclosporin in which one amide linkage is replaced by an ester linkage are obtained by fermentation of fungal strains of the genus *Cylindrotrichum* Bonorden, or by cyclization of a hydroxy-undecapeptide. The cyclic peptolides have immunosuppressive, anti-inflammatory and anti-parasitic properties.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 15 OF 21 USPATFULL
ACCESSION NUMBER: 89:97334 USPATFULL

DUPLICATE 3

TITLE: **Cyclosporin analogs** with modified
"C-9 amino acids"
INVENTOR(S): Witzel, Bruce E., Westfield, NJ, United States
PATENT ASSIGNEE(S): Merck & Co., Inc., Rahway, NJ, United States (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4885276		19891205
APPLICATION INFO.:	US 1988-261868		19881024 (7)
DISCLAIMER DATE:	20060117		
RELATED APPLN. INFO.:	Division of Ser. No. US 1987-57196, filed on 3 Jun 1987		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Phillips, Delbert R.		
LEGAL REPRESENTATIVE:	North, Robert J., DiPrima, Joseph F.		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
LINE COUNT:	668		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB New **cyclosporin analogs** with modified "C-9 amino
acids" have been made and are found to be effective immunosuppressive
agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 16 OF 21 USPATFULL DUPLICATE 4
ACCESSION NUMBER: 89:4543 USPATFULL
TITLE: New **cyclosporin analogs** with
modified "C-9 amino acids"
INVENTOR(S): Witzel, Bruce E., Westfield, NJ, United States
PATENT ASSIGNEE(S): Merck & Co., Inc., Rahway, NJ, United States (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4798823		19890117
APPLICATION INFO.:	US 1987-57196		19870603 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Phillips, Delbert R.		
LEGAL REPRESENTATIVE:	DiPrima, Joseph F., Sudol, Michael C., Monaco, Mario A.		
NUMBER OF CLAIMS:	19		
EXEMPLARY CLAIM:	1		
LINE COUNT:	778		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB New **cyclosporin analogs** with modified "C-9 amino
acids" have been made and are found to be effective immunosuppressive
agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 17 OF 21 USPATFULL
ACCESSION NUMBER: 88:59156 USPATFULL
TITLE: Novel cyclosporins
INVENTOR(S): Seebach, Dieter, Zurich, Switzerland
PATENT ASSIGNEE(S): Sandoz Ltd., Basel, Switzerland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4771122		19880913
APPLICATION INFO.:	US 1987-103990		19871001 (7)
RELATED APPLN. INFO.:	Division of Ser. No. US 1986-837434, filed on 7 Mar 1986, now patented, Pat. No. US 4703033		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1985-11029	19850501
	GB 1985-6230	19850511
	GB 1986-2370	19860131
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Phillips, Delbert R.	
LEGAL REPRESENTATIVE:	Sharkin, Gerald D., Honor, Robert S., McGovern, Thomas O.	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1157	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cyclosporins e.g. of formula II ##STR1## in which X is -MeBmt- or -dihydro-MeBmt- and

Y is -.alpha.Abu-, -Thr-, -Val- or -Nva-,

wherein the residue at the 3-position, i.e. the residue Z in formula II, is an optically active, .alpha.-N-methylated .alpha.-amino acid residue of the (D)-configuration, possess pharmaceutical, in particular immunosuppressive, anti-inflammatory and anti-parasitic activity, Intermediate cyclosporin poly-anions having a de-protonated sarcosyl residue at the 3-position, e.g. polyanions of cyclosporins of formula II above wherein X and Y have the meanings given above and Z is -Sar-, in which the said residue Z is de-protonated, are also novel and part of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 18 OF 21 USPATFULL

ACCESSION NUMBER: 88:52079 USPATFULL

TITLE: Novel cyclosporins

INVENTOR(S): Wenger, Roland, Riehen, Switzerland

PATENT ASSIGNEE(S): Sandoz Ltd., Basel, Switzerland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4764503		19880816
APPLICATION INFO.:	US 1987-49746		19870513 (7)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1986-932760, filed on 19 Nov 1986, now abandoned which is a continuation of Ser. No. US 1985-713259, filed on 19 Mar 1985, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Phillips, Delbert R.		
LEGAL REPRESENTATIVE:	Sharkin, Gerald D., Honor, Robert S., McGovern, Thomas O.		
NUMBER OF CLAIMS:	6		
EXEMPLARY CLAIM:	1		
LINE COUNT:	888		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cyclosporins wherein the amino acid residue at the 8-position is a (D)-acyloxy-.alpha.-amino acid residue, typically of formula ##STR1## wherein X=--MeBmt-- or --dihydro--MeBmt--, Y=--.alpha.Abu--, --Ala--, --Thr--, --Val-- or --Nva--, Z=--Val-- or --Nva-- and Q=R.sub.1 --CO--O--CH(R.sub.2)--CH(CO--)--NH-- wherein R.sub.1 =H, C.sub.1-4 alkyl or phenyl and R.sub.2 =H or CH.sub.3, possess immunosuppressive, anti-inflammatory and anti-parasitic activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 19 OF 21 USPATFULL

ACCESSION NUMBER: 87:75000 USPATFULL

TITLE: Novel cyclosporins
INVENTOR(S): Seebach, Dieter, Zurich, Switzerland
PATENT ASSIGNEE(S): Sandoz Ltd., Basel, Switzerland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4703033		19871027
APPLICATION INFO.:	US 1986-837434		19860307 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1985-6230	19850311
	GB 1985-11029	19850501
	GB 1986-2370	19860131
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Phillips, Delbert K.	
LEGAL REPRESENTATIVE:	Sharkin, Gerald D., Honor, Robert S., McGovern, Thomas O.	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1262	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cyclosporins e.g. of formula II ##STR1## in which X is -MeBmt- or -dihydro-MeBmt- and

Y is -.alpha.Abu-, -Thr-, -Val- or -Nva-,

wherein the residue at the 3-position, i.e. the residue Z in formula II, is an optically active, .alpha.-N-methylated .alpha.-amino acid residue of the (D)-configuration, possess pharmaceutical, in particular immunosuppressive, anti-inflammatory and anti-parasitic activity. Intermediate cyclosporin poly-anions having a de-protonated sarcosyl residue at the 3-position, e.g. polyanions of cyclosporins of formula II above wherein X and Y have the meanings given above and Z is -Sar-, in which the said residue Z is de-protonated, are also novel and part of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 20 OF 21 USPATFULL
ACCESSION NUMBER: 87:6447 USPATFULL
TITLE: Novel cyclosporins
INVENTOR(S): Wenger, Roland, Riehen, Switzerland
Traber, Rene P., Basel, Switzerland
Kobel, Hans, Basel, Switzerland
Hofmann, Hans, Ettingen, Switzerland
PATENT ASSIGNEE(S): Sandoz Ltd., Basel, Switzerland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4639434		19870127
APPLICATION INFO.:	US 1985-713429		19850319 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1984-7618	19840323
	GB 1984-11922	19840510
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Phillips, Delbert R.	
LEGAL REPRESENTATIVE:	Sharkin, Gerald D., Honor, Robert S., McGovern, Thomas O.	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	

LINE COUNT: 880

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cyclosporins wherein the amino acid residue at the 8-position is a (D)-acyloxy-.alpha.-amino acid residue, typically of formula ##STR1## wherein X=-MeBmt- or -dihydro-MeBmt-, Y=-.alpha.Abu-, -Ala-, -Thr-, -Val- or -Nva-, Z=-Val- or -Nva- and Q=R.sub.1 --CO--O--CH(R.sub.2)--CH(CO--)--NH--wherein R.sub.1 =H, C.sub.1-4 alkyl or phenyl and R.sub.2 =H or CH.sub.3, possess immunosuppressive, anti-inflammatory and anti-parasitic activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 21 OF 21 USPATFULL

ACCESSION NUMBER: 83:20329 USPATFULL

TITLE: Novel cyclosporins

INVENTOR(S): Bollinger, Pietro, Bottmingen, Switzerland

Bolsterli, Johann J., Buus, Switzerland

Kobel, Hans, Basel, Switzerland

PATENT ASSIGNEE(S): Sandoz Ltd., Basel, Switzerland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4384996		19830524
APPLICATION INFO.:	US 1982-337485		19820106 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1981-566	19810109
	GB 1981-567	19810109
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Phillips, Delbert R.	
ASSISTANT EXAMINER:	Moezie, F. T.	
LEGAL REPRESENTATIVE:	Sharkin, Gerald D., Honor, Robert S., McGovern, Thomas O.	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
LINE COUNT:	480	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel cyclosporins having an -Allylgly- residue in the 2-position and/or a -(D)-Ser- residue in the 8-position and process for their production. The novel cyclosporins are useful as pharmaceuticals, e.g. as immunosuppressive and anti-inflammatory agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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